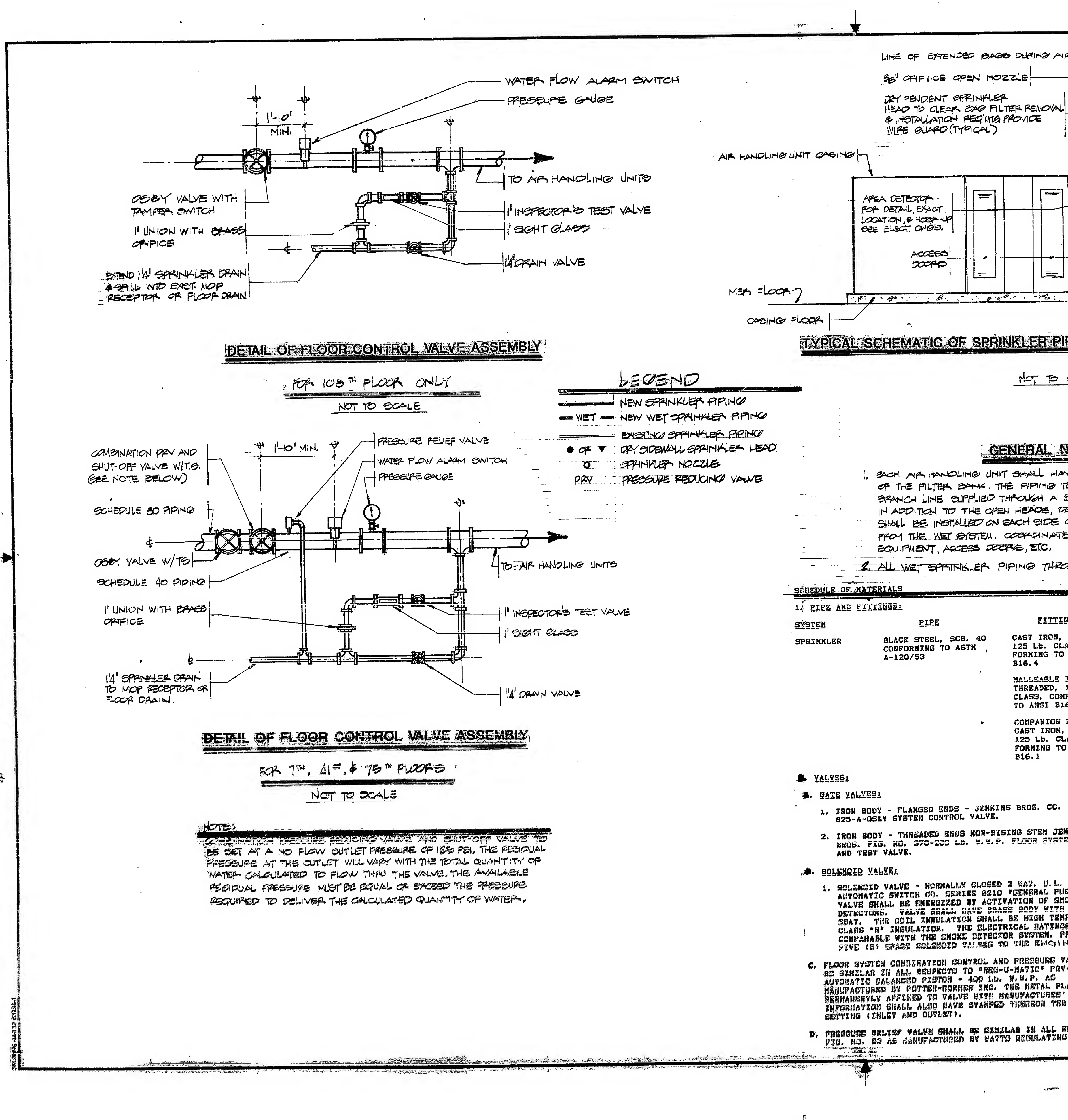


WTC 490.18  
DRAWING NUMBER  
SP-5  
5/14/90

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER



DETAIL OF FLOOR CONTROL VALVE ASSEMBLY

TYPICAL SCHEMATIC OF SPRINKLER PIPING

FOR 108<sup>TH</sup> FLOOR ONLY  
NOT TO SCALE

LEGEND

- NEW SPRINKLER PIPING
- WET NEW WET SPRINKLER PIPING
- EXISTING SPRINKLER PIPING
- DRY SIDEWALL SPRINKLER HEAD
- SPRINKLER NOZZLE
- PRV PRESSURE REDUCING VALVE

GENERAL NOTES

- EACH AIR HANDLING UNIT SHALL HAVE A FILTER BANK. THE PIPING TO THE FILTER BANK SHALL BE SUPPLIED THROUGH A BRANCH LINE EQUIPPED THROUGH A 3/8" ORIFICE OPEN NOZZLE. IN ADDITION TO THE OPEN HEADS, DRY PENDENT SPRINKLER HEADS SHALL BE INSTALLED ON EACH SIDE OF THE UNIT. COORDINATE WITH EQUIPMENT, ACCESS DOORS, ETC.
- ALL WET SPRINKLER PIPING THROUGH MECH FLOOR SHALL BE INSTALLED IN A CONCEALED MANNER.

SCHEDULE OF MATERIALS

1. PIPE AND FITTINGS:		
SYSTEM	PIPE	FITTING
SPRINKLER	BLACK STEEL, SCH. 40 CONFORMING TO ASTM A-120/53	CAST IRON, 125 LB. CLASS, CONFORMING TO B16.4  MALLEABLE IRON, 125 LB. CLASS, CONFORMING TO B16.4  COMPANION CAST IRON, 125 LB. CLASS, CONFORMING TO B16.1

VALVES:

- GATE VALVES:**
  - IRON BODY - FLANGED ENDS - JENKINS BROS. CO. 825-A-OS&Y SYSTEM CONTROL VALVE.
  - IRON BODY - THREADED ENDS NON-RISING STEM JENKINS BROS. FIG. NO. 370-200 LB. W.W.P. FLOOR SYSTEM AND TEST VALVE.
- SOLENOID VALVE:**
  - SOLENOID VALVE - NORMALLY CLOSED 2 WAY, U.L. AUTOMATIC SWITCH CO. SERIES 8210 "GENERAL PURPOSE" VALVE SHALL BE ENERGIZED BY ACTIVATION OF SMOKE DETECTORS. VALVE SHALL HAVE BRASS BODY WITH SEAT. THE COIL INSULATION SHALL BE HIGH TEMP CLASS "H" INSULATION. THE ELECTRICAL RATING SHALL BE COMPARABLE WITH THE SMOKE DETECTOR SYSTEM. FIVE (5) SPARE SOLENOID VALVES TO THE ENGINEERING.
- FLOOR SYSTEM COMBINATION CONTROL AND PRESSURE VALVE:** BE SIMILAR IN ALL RESPECTS TO "REG-U-MATIC" PRV. AUTOMATIC BALANCED PISTON - 400 LB. W.W.P. AS MANUFACTURED BY POTTER-ROEHR INC. THE METAL PLATE PERMANENTLY AFFIXED TO VALVE WITH MANUFACTURER'S INFORMATION SHALL ALSO HAVE STAMPED THEREON THE SETTING (INLET AND OUTLET).
- PRESSURE RELIEF VALVE:** SHALL BE SIMILAR IN ALL RESPECTS TO FIG. NO. 88 AS MANUFACTURED BY WATTS REGULATING VALVE CO.